

CLAIMS

What is claimed is:

1. A resin composition comprising:
 - a. an unsaturated polyester
 - b. a polymerizable monomer,
 - c. a promoter system, and
 - d. a composite stabilizer, wherein the composite stabilizer is comprised of (i) a hydroxylamine oxide, and (ii) optionally, a hydroxylamine.
2. The resin composition of claim 1, wherein the promoter system comprises at least a metallic compound as primary promoter and at least an organic amine as co-promoter.
3. The resin composition of claim 1, wherein the composite stabilizer is based on an alkyl hydroxylamine oxide, optionally an alkyl hydroxylamine and an aromatic antioxidant and is present at 0.001-0.5 parts per 100 parts of the finished UPE resin.
4. The resin composition of claim 3, wherein the alkyl hydroxylamine oxide is an (C₁-C₆) alkyl hydroxylamine oxide compound.
5. The resin composition of claim 3, wherein the alkyl hydroxylamine is an (C₁-C₆) alkyl hydroxylamine compound.
6. The resin composition of claim 4, wherein the alkyl hydroxylamine oxide is triethylamine oxide (TEAO) or tributylamine oxide (TBAO) or combinations thereof.
7. The resin composition of claim 5, wherein the alkyl hydroxylamine is diethyl alkylhydroxylamine (DEHA) dibutylhydroxylamine (DBHA) or N-iso-propylhydroxylamine (NiPHA) or combinations thereof.
8. The resin composition of claim 3, wherein aromatic antioxidant is a hindered phenol, quinone or phenothiazine or combinations thereof.
9. The resin of claim 1 wherein dicyclopentadiene is added in the resin mixture.

10. The resin composition of claim 2 that contains a cobalt salt as a primary promoter.
11. The composition of claim 2 wherein the amine is dimethyl aniline or diethyl aniline.
12. The resin composition of claim 1 that contains a peroxide catalyst.
13. The composition of claim 10 that contains a peroxide catalyst with active oxygen content from 0.05% to 50%.
14. An article that is produced from the composition of claim 1 that is a gel-coat, marble or laminate.